



Patent Office  
Canberra

I, JULIE BILLINGSLEY, TEAM LEADER EXAMINATION SUPPORT AND SALES hereby certify that annexed is a true copy of the Provisional specification in connection with Application No. 2003905243 for a patent by ALLAN MITCHELL as filed on 26 September 2003.

WITNESS my hand this  
Twelfth day of October 2004

A handwritten signature in cursive script, appearing to read "J. Billingsley".

JULIE BILLINGSLEY  
TEAM LEADER EXAMINATION  
SUPPORT AND SALES



BEST AVAILABLE COPY

I, Allan David Mitchell do hereby disclose the following invention 25<sup>th</sup> September 2003

Title : SWAY BAR

#### Background

In the art of fishing there is a specifically made piece of tackle called a lead head jig.

Traditionally the lead head jig is manufactured by forming a lead weight onto a suitably shaped hook. The bait is then fixed by threading onto the hook giving the final presentation.

The traditional jig head's one major flaw is that as soon as the hook is damaged the jig head is discarded.

My design called "sway bar" alleviates this problem by making the hook replaceable.

It does this by having the jig head either positioned on or moulded to the sway bar. This creates a fixing point for the hooks for initial set up or to replace when required, the other end of the sway bar provides a fixing point for fishing line or other terminal tackle.

The sway bar can be made out of any suitable materials ie, stainless steel, titanium, other metal alloys. It can also be manufactured in a variety of shapes some designed to support longer bait (Fig 1) some give improved action (Fig 2) and some designed to work with specific jig heads (Fig 3, Fig 4 & Fig 5).

In a preferred embodiment (Fig 3) a jig head is moulded to the sway bar, in this embodiment the jig head itself has a suitable mechanism for affixing the bait directly to the jig head rather than threading onto hook. This mechanism can be manufactured to have a range of motion, by fixing the bait to this point only the point or barb of hook needs to be positioned in the bait, allowing a better motion to be imparted on the combination itself.

In another embodiment (Fig 4) a pivoting head jig is used to slide over the sway bar to which a hook is already positioned. The hook is manipulated on the sway bar by threading onto sway bars split clip. The exposed opposite end is the point for fixing line or terminal tackle to.

Another preferred embodiment is to replace hinge (Fig 3) with a hook anchor point and threading bait directly onto hook (Fig 5).

## **Claims**

The claims defining the invention are as follows:-

1. A sway bar is a clip designed to provide a fixing point for both line and hook while becoming the support for a jig head.
2. The sway bar according to claim 1 combined with a suitable jig head includes a mechanism for connection of a bait or lure or hook.
3. The sway bar according to claim 1 combined with a suitable jig head and suitable terminal tackle provides either at least two anchor points for the bait or lure or a single hook anchor point.
4. The sway bar according to claim 1 can improve lure action.

## Abstract

A sway bar in combination with a jig head and hook for fishing. The combination functions as an action producing lure wherein the intimacy between the components (Fig 1 & Fig 2) and the tail portion of the plastic lure body (Fig 3, Fig 4 & Fig 5) and the rear portion of the hook stabilises the position of the jig head as it is pulled through the water. The jig head may be dynamically formed to produce various actions furthermore the bait or hook fixing point can be manufactured to either swivel pivot or rotate to increase lure action. The sway bar facilitates easy hook change while supporting the weight component of a jig head and hook combination.

FIG 1

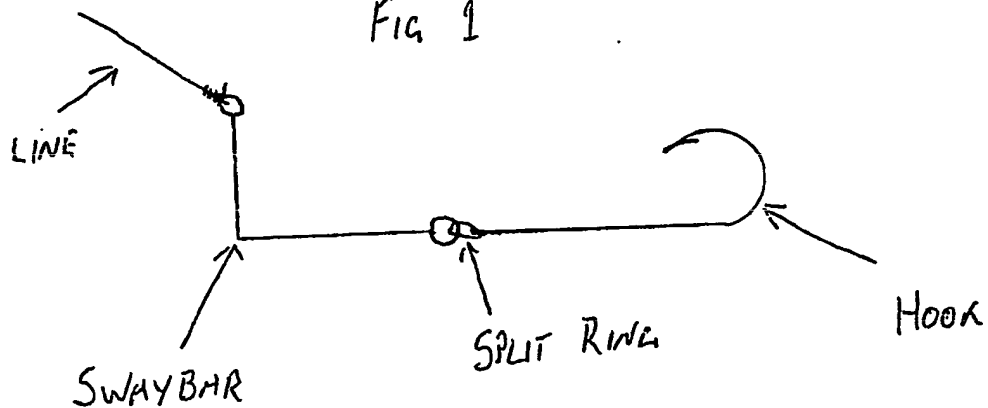


FIG 2

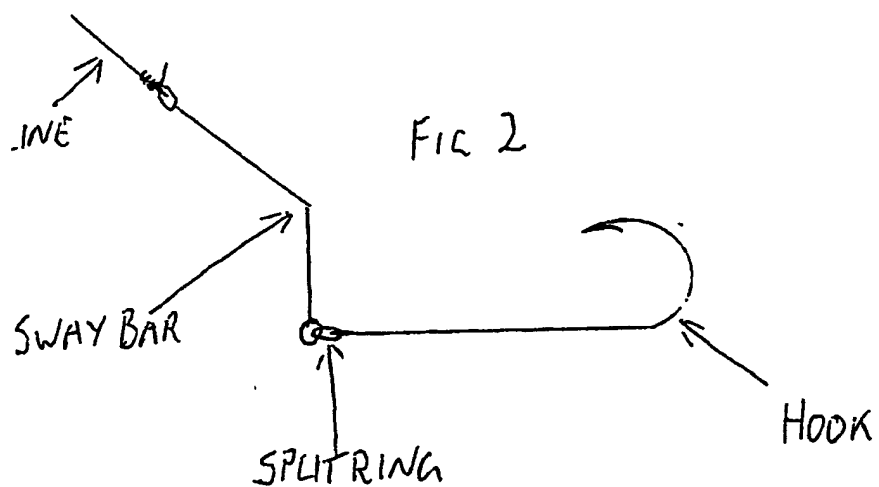
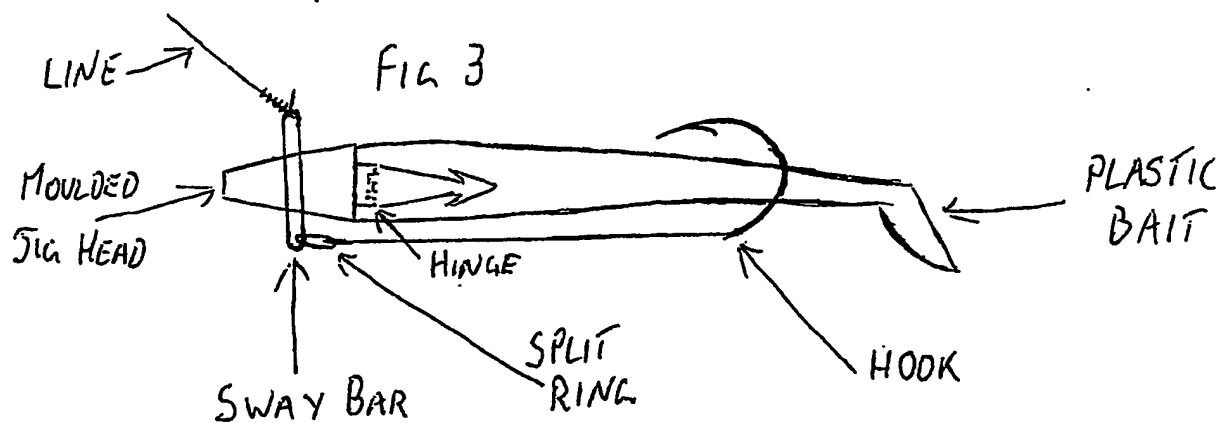
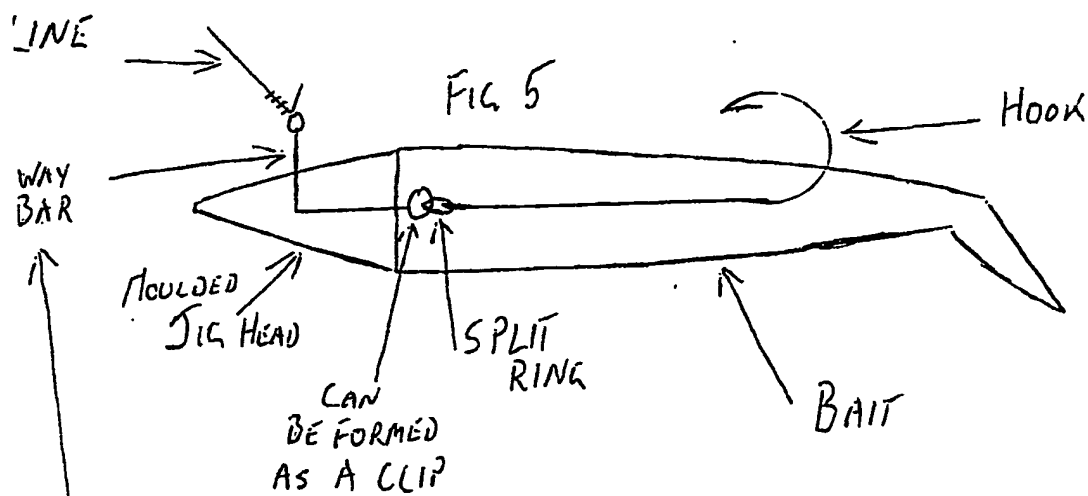
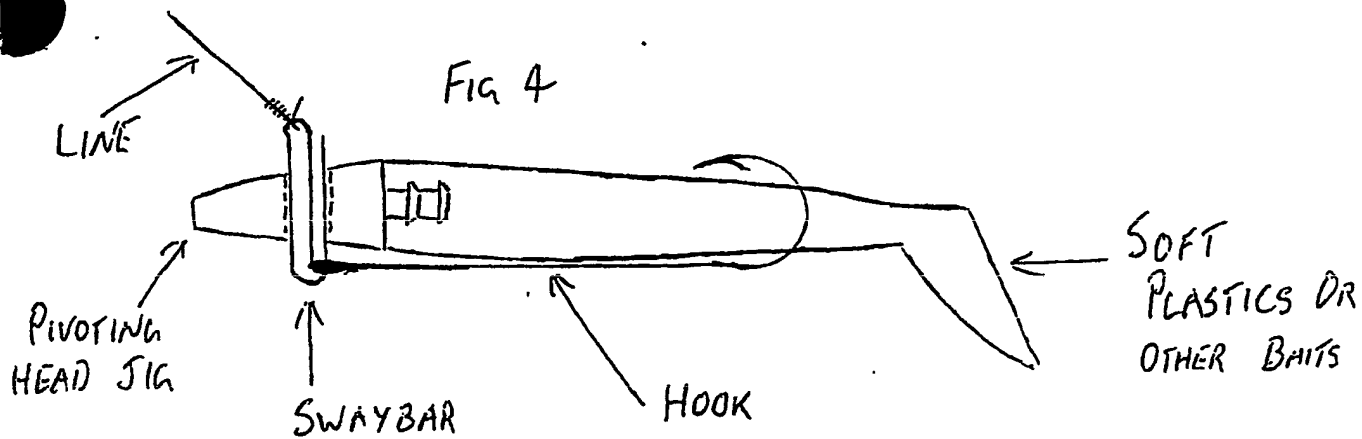


FIG 3





IN THIS EMBODIMENT  
2 SMALLER SWAY BARS  
COULD BE USED TO REPLACE  
THE ONE IN FIG 5

# Document made available under the Patent Cooperation Treaty (PCT)

International application number: PCT/AU04/001313

International filing date: 24 September 2004 (24.09.2004)

Document type: Certified copy of priority document

Document details: Country/Office: AU  
Number: 2003905243  
Filing date: 26 September 2003 (26.09.2003)

Date of receipt at the International Bureau: 04 January 2005 (04.01.2005)

Remark: Priority document submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b)



World Intellectual Property Organization (WIPO) - Geneva, Switzerland  
Organisation Mondiale de la Propriété Intellectuelle (OMPI) - Genève, Suisse

**BEST AVAILABLE COPY**